Matthew J. Holian CURRICULUM VITAE (April 3, 2018)

Department of Economics
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- **Education**
  - Ph.D. Economics, Ohio State University (June, 2008)
  - M.A. Economics, Ohio State University (June, 2004)
  - B.A. Economics, Ohio University *cum laude* (Nov, 2002)

- **Fields**
  Research: Applied analysis of environmental, urban, transportation & health topics. *Teaching*: Industrial and Regional Economics, Cost-Benefit Analysis, Econometrics

- **Academic Positions**
  - **Current Position:** Professor of Economics, San Jose State University (2017-present)

  - **Previous Positions and Affiliation:**
    - Associate Professor of Economics, SJSU (2012-2017)
    - Assistant Professor of Economics, SJSU (2008-2012)
    - Research Associate, Mineta Transportation Institute, (2010-2017)
    - Graduate Assistant at the Ohio State University (2003-2008)

- **Teaching**
  - Courses at San Jose State University:
    - *Principles of Macroeconomics* (ECON 1A)
    - *Principles of Microeconomics* (ECON 1B)
    - *Economic Statistics* (ECON 3)
    - *Cost-Benefit Analysis* (ECON / ENVS 108 *cross-listed* with Env. Studies)
    - *Industrial Organization* (ECON 121/221; Grad and Undergrad sections)

        - *Regional Economics* (ECON 165)
        - *Computer Applications in Economics* (ECON 195)
        - *Economic Research Methods* (ECON 203a Graduate)
        - *Economic Decision Making* (ECON 205a, Graduate)
        - *Introduction to Transportation Funding and Finance* (MTM 202, Grad)
        - *Contemporary Issues in Transportation* (MTM 236, Graduate)
    - Previous courses at Ohio State University
        - *Cooperation and Conflict in the Global Economy* (cross-listed, Econ / Intl Studies 556, undergraduate)
        - *Principles of Microeconomics* (Econ 201, undergraduate)

    - Previous course at Alliance Business School (Bangalore, India; July, 2010):
        - *Industry Analytics* (MBA-level course)

- **Research**

    - Select Journal Articles

2017. "The role of road infrastructure and air pollution in the recent suburbanization of India's cities: An exploration." *Environment and Urbanization Asia,* (w/ Kala S. Sridhar)

2017. "An agent-based model of entrepreneurship: examining the role of alertness and transaction costs", *Journal of Entrepreneurship and Public Policy* (w / Graham D. Newell

2015. "Household Carbon Emissions from Driving and Center City Quality of Life," *Ecological Economics* 116, 362–368 (with Matthew Kahn)

2015. "Household Demand for Low Carbon Public Policies: Evidence from California," *Journal of the Association of Environmental and Resource Economists*, 2(2), 205-234. (with Matthew Kahn)

2014. "The Effect of Social and Economic Development on Air Pollution in Indian Cities," *Environment and Urbanization Asia,* March(5), 1-15.

2011. "Homeownership, Dissatisfaction and Voting." *Journal of Housing Economics.* 20(4) December: 267–275.

2011. "Firm versus Industry Effects in Accounting and Economic Profit Data," *Applied Economics Letters*, 18(6), 527-529. (with Ali Reza)

2010 "The Persistence of Accounting versus Economic Profit," *Economics Bulletin*, 30(3), (with Ali Reza)

2009 “Outsourcing in U.S. Cities, Ambulances and Elderly Voters,” *Public Choice,* 141(3-4).

- Available Working Paper

Analyzing the Potential of Hybrid and Electric Off-Road Equipment in Reducing Carbon Emissions from Construction Industries. (w/ Jae H. Pyeon)

- Work in Progress

Measuring the Economic Impact of High Speed Rail Construction for California and the Central Valley Region (w/ H. Nixon and J. M. Pogodzinski)

- Research Reports

2016. *Benefit-Cost Analysis for Transportation Planning and Public Policy: Towards Multi-modal Demand Modeling*. Mineta Transportation Institute, WP 12-42 (w/ Ralph McLaughlin)

2013. *California Voting and Suburbanization Patterns: Implications for Transit Policy* Mineta Transportation Institute, San Jose, CA, Report 12-05. (with Matt Kahn)

2013. *Assessing Municipal Bond Default Probabilities* California Debt and Investment Advisory Commission (CDIAC), Sacramento, CA. (with Marc Joffe)

2012. *The Impact of Center City Economic and Cultural Vibrancy on Greenhouse Gas Emissions from Transportation*. Mineta Transportation Institute, Report 11-13(with M. Kahn)

- Other peer-reviewed articles (Book chapter, pedagogical, and other articles)

2013. “Parchment, guns, and the problem of governance,” *Review of Austrian Economics*, 27, 71-80. (with G. Garzarelli)

2011. "Using Drew Carey in the Classroom." *The Journal of Private Enterprise* 26(2) Spring: 161-167. (winner of Best Educational Note award for papers published in *the Journal of Private Enterprise*, 2011)

2010. “Managing the Internal Organization of Colleges and Universities” in *Doing More With Less: Making Colleges Work Better,* Josh Hall, editor, New York: Springer (with Justin Ross)

2010. “Intellectual Property and Antitrust Limits on Contract: Comment,” *Economics Bulletin*, 30(4), pp. 2680-2684. (with Neil Nguyen)

2010 "Understanding the M-form Hypothesis" *J. Industrial Organization Education*. 5 (1).

2007 "Compstat, Community Policing and the Science of Success: A Market-Based Approach to Police Management," *Economic Affairs,* 27(4).

- Ph.D. Dissertation

2008. *Studies in the Political Economy of Local Government*, Economics Department, Ohio State University. Committee: Don Haurin, Massimo Morelli, Trevor Brown, Gene Mumy.

- **Awards, Fellowships and Honors:**

2014, Early Career Investigator Award (Research Foundation, SJSU; this award is given annually to two junior faculty, selected from across the university.)

2012, Best Proposal (College of Social Sciences, SJSU; research grant competition.)

2010, David Saurman Faculty MVP Award (Department of Economics, SJSU.)

2006, Empirical Implications of Theoretical Models (EITM) summer institute participant, the University of Michigan, Ann Arbor, MI (National Science Foundation)

2005 (summer) Foreign Language and Area Studies (FLAS) award to study at Jagellonian University, Krakow, Poland (U.S. Dept of Education)

2004 (year) FLAS fellow at Ohio State University (U.S. Dept of Education)

2002 (year) Finch Scholarship at Ohio University (OU Economics Department)

- **Grants:**

- **Research Grants**

Greenhouse Gas Emissions Generated by Urban Transportation and Land Use Patterns (AY 2010-2011) Mineta Transportation Institute (with Matt Kahn) $79,010

California Voting and Suburbanization Patterns: Implications for Transit Policy (AY 2011-12) Mineta Transportation Institute (with Matt Kahn) $38,116

Research in Environmental Economics (June 2012) SJSU RSCA grant, $6,000

Cities, Suburbs and the Environment in India (August, 2012-January, 2013) College of Social Sciences, SJSU, $1,500

Cities, Suburbs and the Environment in India (Phase II research, June 2014) SJSU RSCA grant, $6,567

Assessing Local Agency Bond Default Probabilities (2012) California Debt and Investment Advisory Commission (with Marc Joffe) $100,000

The Determinants of Entry in Retail Markets: Analysis of Yelp Data (AY 2013-14) SJSU Provost's award for undergraduate research (with Evan Pope) $1,000

Benefit-Cost Analysis for Proposed Legislation (AY 2013-14) SJSU Provost's award for undergraduate research (with Rahul Patel) $1,000

Integrating Highway and Transit Data into Benefit-Cost Analysis (AY 2013-14) Mineta Transportation Institute (with Ralph McLaughlin) $39,997

An Analysis of Greenhouse Gas Emissions from Construction Industries. US DOT RITA (w/ J. Pyeon) $47,135

Measuring the Economic Impact of High Speed Rail Construction for California and the Central Valley Region. MTI. (w/ Hilary Nixon and Mike Pogodzinski) $135,121

- **Other Grants**

Student-Faculty Partnership program (AYs 2010-11, 11-12, 12-13, 13-14) Charles Koch Foundation (with SJSU Department of Economics faculty) $96,500 (combined over four grants)

Innovative Teaching and Course Redesign grant (AY 2013-14) SJSU Center for Faculty Development $3,000

- **Consulting:**

For a plaintiff's attorney—calculated prospective damages in a class-action case to determine client's fee. Resulting fee award was in the mid-seven figure range.

- **Referee for:**

Economics Bulletin, Energy Journal, Journal of Economics and Finance Education, Journal of Institutional Economics, Public Choice, Regional Science and Urban Economics, Urban Studies

- **References:** upon request

- **Workshop, Seminar and Conference Presentations**

Transportation and a Vibrant Economy: Economic Assessment's Role and Application in Transportation Investments and Economic Development 2017 California Transportation Planning Conference, Walnut Creek, CA May 3, 2017

Discussant. *Substituting Bike Rides for Taxi Trips: Evidence from the Launch of the Citibike Program in New York City,* by Alejandro Molnar. American Economics Association meeting, San Francisco, CA, January 5, 2016 (in the sessions of the Transportation and Public Utility Group, TPUG).

Trends and Relationships Related to Air Pollution, Regulations and Economic Growth. University Scholar Series, Hosted by Provost Andy Feinstein. SJSU Kind Library room 225, 9/30/2015.

A comparison of student learning in online versus traditional introductory microeconomics courses. CSU Symposium on University Teaching, California State University, Los Angeles, 3/14/2015.

Light, Heavy or High-Speed? Measuring the Costs and Benefits of Passenger Rail in San Jose. Provocative Lecture, Department of Economics, San Jose State University. Oct 2014

Benefit-Cost Analysis at the California Department of Transportation

1. Transportation Research Forum conference, San Jose, CA, March 2014
2. Public Choice Society conference, Charleston, SC, March 2014
3. California State University, Long Beach, CA, March 2015

Current Developments in California's transportation and climate policy

1. Indian Institute for Human Settlements, City Campus, Bangalore. (January 8, 2013)

The Suburbanization of the Median Voter: Implications for Transit and Environmental Policy

1. San Francisco State University, Dept. of Economics seminar. (October 5, 2012)
2. Southern Economic Association conference, New Orleans. (November 16, 2012)
3. California State University, East Bay seminar (February, 13, 2013)
4. Public Choice Society conference (March 2013)
5. International Transportation Economics Association conference (July 2013)

The Impact of Center City Economic and Cultural Vibrancy on Greenhouse Gas Emissions From Transportation

1. Workshop, Transportation Research Board (TRB), Using National Household Travel Survey Data for Transportation Decision Making, June 7, 2011
2. Seminar, Friday Afternoon Workshop, Department of Economics, San Jose State University, September 30, 2011
3. Conference, Meeting of the Southern Economic Association, November 20, 2011 Washington, D.C.

Homeownership, Dissatisfaction and Voting

1. Conference, Meeting of the Public Choice Society, March, 2008 San Antonio, TX
2. Conference, Meeting of the Public Choice Society, March, 2009 Las Vegas, NV
3. Conference, Association of Private Enterprise Education (APEE), Guatemala City, April 2009
4. Seminar, San Francisco State University, Department of Economics Seminar Series, March 22, 2010.
5. Seminar, San Jose State University, Survey and Policy Research Institite (SPRI), March 18, 2011

The Classical Framework and Theories of the Firm

1. *Conference, From Vienna to Virginia* An academic conference sponsored by the Foundation for Economic Education, September 18-20, 2008, Irvington-upon-Hudson, NY

The Persistence of Accounting versus Economic Profit

1. Santa Clara University, Department of Economics ("Yellow Pad" department seminar) (November 17, 2008)
2. Western Economic Association International, June 30, 2009, Vancouver, BC

Managing the Internal Organization of Colleges and Universities

1. APEE conference, Guatemala City, April 2009

Market-Based Management University (MBMU), workshop, Wichita, KS (June 2009) participant

Decentralization in Firm and State (w/ G. Garzarelli)

1. Meetings of the Public Choice Society, Monterey, March 2010

Using Drew Carey in the Classroom

1. APEE conference, Las Vegas, April 2010

Housing Values and Decentralization of Local Government in U.S. Metropolitan Areas (w/ D. Stansel)

1. APEE conference, Las Vegas, April 2010
2. APEE conference, Nassau, April 2011

An Agent-Based Model of Entrepreneurship w/ G. Newell)

1. *APEE conference, Nassau April 2010*

Optimal Decentralization in Corporations, Federations and Colleges

1. Economics Seminar, Cornell College, January 2008, Mount Vernon, IA

Outsourcing in U.S. Cities, Ambulances and Elderly Voters

1. Economics Seminar, Trinity College, February 2008, Hartford,CT
2. Economics Seminar, Florida Gulf Coast University, February 2008, Fort Myers, FL
3. Applied Microeconomic Seminar, The Ohio State University, October 11, 2007, Columbus, OH
4. Conference, Aging and Gender, 82nd Annual Western Economic Association International, July 1, 2007, Seattle, WA
5. Economics Seminar, Bowling Green State University, April 25, 2007, Bowling Green, OH
6. Conference, First World Meeting of the Public Choice Societies, March 30, 2007 Amsterdam, Holland
7. Workshop, Empirical Implications of Theoretical Models V, July 14, 2006, University of Michigan, Ann Arbor, MI
8. Microeconomics Lunchtime Workshop, May 17, 2006, OSU, Columbus, OH